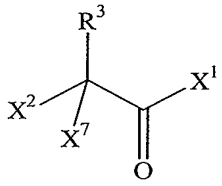
This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A compound of Formula I:



I

in which:

X^1 is $-NHC(R^1)(R^2)X^3$ or $-NHX^4$;

X^2 is hydrogen, fluoro, -OH, $-OR^4$, $-NHR^{15}$ or $-NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

X^3 is cyano, $-C(R^7)(R^8)R^{16}$, $-C(R^6)(OR^6)_2$, $-CH_2C(O)R^{16}$, $-CH{=}CHS(O)_2R^5$, $-C(O)CF_2C(O)NR^5R^5$, $-C(O)C(O)NR^5R^6$, $-C(O)C(O)OR^5$, $-C(O)CH_2OR^5$, $-C(O)CH_2N(R^6)SO_2R^5$ or $-C(O)C(O)R^5$; wherein R^5 is hydrogen, (C_{1-4})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl; R^6 is hydrogen, hydroxy or (C_{1-6})alkyl; or where X^3 contains an $-NR^5R^6$ group, R^5 and R^6 together with the nitrogen atom to which they are both attached, form hetero(C_{3-10})cycloalkyl, hetero(C_{5-10})aryl or hetero(C_{8-10})bicycloaryl; R^7 is hydrogen or (C_{1-4})alkyl and R^8 is hydroxy or R^7 and R^8 together form oxo; R^{16} is hydrogen, $-X^4$, $-CF_3$, $-CF_2CF_2R^9$ or $-N(R^6)OR^6$; R^9 is hydrogen, halo, (C_{1-4})alkyl, (C_{5-10})aryl(C_{0-6})alkyl or (C_{5-10})heteroaryl(C_{0-6})alkyl, with the proviso that when X^3 is cyano, then X^2 is hydrogen, fluoro, -OH, $-OR^4$ or $-NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

X^4 is ~~comprises~~ a heteromonocyclic ring containing 4 to 7 ring member atoms or a fused heterobicyclic ring system containing 8 to 14 ring member atoms and any carbocyclic ketone, iminoketone or thioketone derivative thereof, with the proviso that when $-X^4$ is other than a heteromonocyclic ring containing 5 ring member atoms, wherein no more than two of the ring member atoms comprising the ring are heteroatoms, then X^2 is fluoro, -OH, $-OR^4$, $-NHR^{15}$ or $-NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

wherein within R^5, X^3 or X^4 any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5 is a bond or (C_{1-6})alkylene; R^{12} at each occurrence independently is hydrogen, (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; R^{13} is (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; and R^{14} is (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, or (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl;

R^1 is hydrogen or (C_{1-6})alkyl and R^2 is selected from a group consisting of hydrogen, cyano, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-R^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5, R^{12}, R^{13} and R^{14} are as defined above; or R^1 and R^2 taken together with the carbon atom to which both R^1 and R^2 are attached form (C_{3-8})cycloalkylene or (C_{3-8})heterocycloalkylene; wherein within said R^2 any heteroaryl, aryl, cycloalkyl, heterocycloalkyl, cycloalkylene or heterocycloalkylene is unsubstituted or

substituted with 1 to 3 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$ and $-X^5C(O)R^{13}$, wherein X^5, R^{12} and R^{13} are as defined above;

R^3 is (C_{1-6})alkyl or $-C(R^6)(R^6)X^6$, wherein R^6 is hydrogen or (C_{1-6})alkyl and X^6 is selected from $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^5, R^{12}, R^{13} and R^{14} are as defined above;

R^4 is selected from $-X^8NR^{12}R^{12}$, $-X^8NR^{12}C(O)R^{12}$, $-X^8NR^{12}C(O)OR^{12}$, $-X^8NR^{12}C(O)NR^{12}R^{12}$, $-X^8NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^8OR^{12}$, $-X^8SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^8OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^8S(O)_2NR^{12}R^{12}$, $-X^8NR^{12}S(O)_2R^{12}$, $-X^8P(O)(OR^{12})OR^{12}$, $-X^8OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^8NR^{12}C(O)R^{13}$, $-X^8S(O)R^{13}$, $-X^8S(O)_2R^{13}$, $-R^{14}$, $-X^8OR^{14}$, $-X^8SR^{14}$, $-X^8S(O)R^{14}$, $-X^8S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^8OC(O)R^{14}$, $-X^8NR^{14}R^{12}$, $-X^8NR^{12}C(O)R^{14}$, $-X^8NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^8S(O)_2NR^{14}R^{12}$, $-X^8NR^{12}S(O)_2R^{14}$, $-X^8NR^{12}C(O)NR^{14}R^{12}$ and $-X^8NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^8 is (C_{1-6})alkylene and X^5, R^{12}, R^{13} and R^{14} are as defined above, with the proviso that when X^3 is cyano and X^2 is $-OR^4$, where R^4 is defined as $-R^{14}$, then R^{14} is (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-3})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl;

R^{15} is (C_{6-10})aryl, hetero(C_{5-10})aryl, (C_{9-10})bicycloaryl or hetero(C_{8-10})bicycloaryl;

R^{17} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl, with the proviso that when X^3 is cyano, then R^{17} is

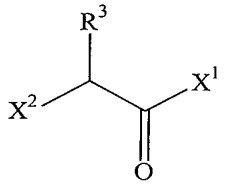
(C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-6})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl;

R^{18} is hydrogen, (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-6})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl, with the proviso that when X^3 is cyano, then R^{18} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-6})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl; and

wherein within R^3, R^4, R^{15}, R^{17} and R^{18} any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5C(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$; and within R^3 and R^4 any aliphatic moiety is unsubstituted or substituted further by 1 to 5 radicals independently selected from cyano, halo, nitro, $-NR^{12}R^{12}$, $-NR^{12}C(O)R^{12}$, $-NR^{12}C(O)OR^{12}$, $-NR^{12}C(O)NR^{12}R^{12}$, $-NR^{12}C(NR^{12})NR^{12}R^{12}$, $-OR^{12}$, $-SR^{12}$, $-C(O)OR^{12}$, $-C(O)R^{12}$, $-OC(O)R^{12}$, $-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-NR^{12}S(O)_2R^{12}$, $-P(O)(OR^{12})OR^{12}$, $-OP(O)(OR^{12})OR^{12}$, $-NR^{12}C(O)R^{13}$, $-S(O)R^{13}$ and $-S(O)_2R^{13}$; wherein X^5, R^{12}, R^{13} and R^{14} are as described above, with the proviso that when X^3 is cyano and X^2 is $-OR^4$, where R^4 is defined as $-R^{14}$, or $-NHR^{18}$, then any aromatic ring system present within R^{14} or R^{18} is not substituted further by halo, (C_{3-10})cycloalkyl, hetero(C_{3-10})cycloalkyl, (C_{6-10})aryl, hetero(C_{5-10})aryl, (C_{9-10})bicycloaryl or hetero(C_{8-10})bicycloaryl; with the proviso that only one bicyclic ring structure is present within R^3, R^4 or R^{15}; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of

stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

2. (Original) A compound of Claim 1, which is of the following formula:



in which X^2 is hydrogen, fluoro, -OH, $-OR^4$, $-NHR^{15}$;

R^3, R^4, R^{15} and X^1 are the same as defined in claim 1.

3. (Currently Amended) A compound of Claim 1 or Claim 2 in which:

X^1 is $-NHC(R^1)(R^2)X^3$ or $-NHCH(R^{19})C(O)R^{20}$;

X^2 is hydrogen, fluoro, -OH, $-OR^4$, $-NHR^{15}$ or $-NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

X^3 is cyano, $-C(R^7)(R^8)R^{16}$, $-C(R^6)(OR^6)_2$, $-CH_2C(O)R^{16}$, $-CH{=}CHS(O)_2R^5$, $-C(O)CF_2C(O)NR^5R^5$, $-C(O)C(O)NR^5R^6$, $-C(O)C(O)OR^5$, $-C(O)CH_2OR^5$, $-C(O)CH_2N(R^6)SO_2R^5$ or $-C(O)C(O)R^5$; wherein R^5 is hydrogen, $(C_{1\text{-}4})$alkyl, $(C_{3\text{-}10})$cycloalkyl$(C_{0\text{-}6})$alkyl, hetero$(C_{3\text{-}10})$cycloalkyl$(C_{0\text{-}3})$alkyl, $(C_{6\text{-}10})$aryl$(C_{0\text{-}6})$alkyl, hetero$(C_{5\text{-}10})$aryl$(C_{0\text{-}6})$alkyl, $(C_{9\text{-}10})$bicycloaryl$(C_{0\text{-}6})$alkyl or hetero$(C_{8\text{-}10})$bicycloaryl$(C_{0\text{-}6})$alkyl; R^6 is hydrogen, hydroxy or $(C_{1\text{-}6})$alkyl; or where X^3 contains an $-NR^5R^6$ group, R^5 and R^6 together with the nitrogen atom to which they are both attached, form hetero$(C_{3\text{-}10})$cycloalkyl, hetero$(C_{5\text{-}10})$aryl or hetero$(C_{8\text{-}10})$bicycloaryl; R^7 is hydrogen or $(C_{1\text{-}4})$alkyl and R^8 is hydroxy or R^7 and R^8 together form oxo; R^{16} is hydrogen, $-X^4$, $-CF_3$, $-CF_2CF_2R^9$ or $-N(R^6)OR^6$; R^9 is hydrogen, halo, $(C_{1\text{-}4})$alkyl, $(C_{5\text{-}10})$aryl$(C_{0\text{-}6})$alkyl or $(C_{5\text{-}10})$heteroaryl$(C_{0\text{-}6})$alkyl, with the proviso

that when X^3 is cyano, then X^2 is hydrogen, fluoro, -OH, $-OR^4$ or $-NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

X^4 is ~~comprises~~ a heteromonocyclic ring containing 4 to 7 ring member atoms or a fused heterobicyclic ring system containing 8 to 14 ring member atoms and any carbocyclic ketone, iminoketone or thioketone derivative thereof, with the proviso that when $-X^4$ is other than a heteromonocyclic ring containing 5 ring member atoms, wherein no more than two of the ring member atoms comprising the ring are heteroatoms, then X^2 is fluoro, -OH, $-OR^4$, $-NHR^{15}$ or $-NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

wherein within R^5, X^3 or X^4 any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5 is a bond or (C_{1-6})alkylene; R^{12} at each occurrence independently is hydrogen, (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; R^{13} is (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; and R^{14} is (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl;

R^1 is hydrogen or (C_{1-6})alkyl and R^2 is selected from a group consisting of hydrogen, cyano, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-R^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5, R^{12}, R^{13} and R^{14} are as defined

above; or R^1 and R^2 taken together with the carbon atom to which both R^1 and R^2 are attached form (C_{3-8})cycloalkylene or (C_{3-8})heterocycloalkylene; wherein within said R^2 any heteroaryl, aryl, cycloalkyl, heterocycloalkyl, cycloalkylene or heterocycloalkylene is unsubstituted or substituted with 1 to 3 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$ and $-X^5C(O)R^{13}$, wherein X^5, R^{12} and R^{13} are as defined above;

R^3 is (C_{1-6})alkyl or $-C(R^6)(R^6)X^6$, wherein R^6 is hydrogen or (C_{1-6})alkyl and X^6 is selected from $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^5, R^{12}, R^{13} and R^{14} are as defined above;

R^4 is selected from $-X^8NR^{12}R^{12}$, $-X^8NR^{12}C(O)R^{12}$, $-X^8NR^{12}C(O)OR^{12}$, $-X^8NR^{12}C(O)NR^{12}R^{12}$, $-X^8NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^8OR^{12}$, $-X^8SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^8OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^8S(O)_2NR^{12}R^{12}$, $-X^8NR^{12}S(O)_2R^{12}$, $-X^8P(O)(OR^{12})OR^{12}$, $-X^8OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^8NR^{12}C(O)R^{13}$, $-X^8S(O)R^{13}$, $-X^8S(O)_2R^{13}$, $-R^{14}$, $-X^8OR^{14}$, $-X^8SR^{14}$, $-X^8S(O)R^{14}$, $-X^8S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^8OC(O)R^{14}$, $-X^8NR^{14}R^{12}$, $-X^8NR^{12}C(O)R^{14}$, $-X^8NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^8S(O)_2NR^{14}R^{12}$, $-X^8NR^{12}S(O)_2R^{14}$, $-X^8NR^{12}C(O)NR^{14}R^{12}$ and $-X^8NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^8 is (C_{1-6})alkylene and X^5, R^{12}, R^{13} and R^{14} are as defined above, with the proviso that when X^3 is cyano and X^2 is $-OR^4$, where R^4 is defined as $-R^{14}$, then R^{14} is (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-3})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl;

R^{15} is (C_{6-10})aryl, hetero(C_{5-10})aryl, (C_{9-10})bicycloaryl or hetero(C_{8-10})bicycloaryl;

R^{17} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl, with the proviso that when X^3 is cyano, then R^{17} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-6})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl;

R^{18} is hydrogen, (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-6})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl, with the proviso that when X^3 is cyano, then R^{18} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-6})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl; and

R^{19} and R^{20} together with the atoms to which R^{19} and R^{20} are attached form (C_{4-8})heterocycloalkylene, wherein no more than one of the ring member atoms comprising the ring is a heteroatom selected from $-NR^{21}-$ or –O-, wherein the ring is unsubstituted or substituted with R^2, wherein R^2 is as defined above, and R^{21} is hydrogen, $-C(O)OR^{12}$, $-C(O)R^{12}$, $-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-S(O)R^{13}$ and $-S(O)_2R^{13}$, $-S(O)R^{14}$, $-S(O)_2R^{14}$, $-C(O)R^{14}$, $-C(O)OR^{14}$, $-C(O)NR^{12}R^{12}$ and $-S(O)_2NR^{14}R^{12}$, wherein R^{12}, R^{13} and R^{14} are as defined above;

wherein within R^3, R^4, R^{15}, R^{17} and R^{18} any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5C(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$; and within R^3 and R^4 any aliphatic moiety is unsubstituted or substituted further by 1 to 5 radicals independently selected from cyano, halo, nitro, $-NR^{12}R^{12}$, $-NR^{12}C(O)R^{12}$, $-NR^{12}C(O)OR^{12}$, $-NR^{12}C(O)NR^{12}R^{12}$, $-NR^{12}C(NR^{12})NR^{12}R^{12}$, $-OR^{12}$, $-SR^{12}$, $-C(O)OR^{12}$, $-C(O)R^{12}$, $-OC(O)R^{12}$, $-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-NR^{12}S(O)_2R^{12}$,

-P(O)(OR^{12})OR^{12}, -OP(O)(OR^{12})OR^{12}, -NR^{12}C(O)R^{13}, -S(O)R^{13} and -S(O)$_2$R^{13}; wherein X^5, R^{12}, R^{13} and R^{14} are as described above, with the proviso that when X^3 is cyano and X^2 is -OR^4, where R^4 is defined as -R^{14}, or -NHR^{18}, then any aromatic ring system present within R^{14} or R^{18} is not substituted further by halo, (C$_{3-10}$)cycloalkyl, hetero(C$_{3-10}$)cycloalkyl, (C$_{6-10}$)aryl, hetero(C$_{5-10}$)aryl, (C$_{9-10}$)bicycloaryl or hetero(C$_{8-10}$)bicycloaryl; with the proviso that only one bicyclic ring structure is present within R^3, R^4 or R^{15}; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

4. (Currently Amended) The compound of Claim 1 or Claim 2 in which:

X^1 is -NHC(R^1)(R^2)X^3 or -NHCH(R^{19})C(O)R^{20};

X^2 is hydrogen, fluoro, -OH, -OR^4, -NHR^{15} or -NR^{17}R^{18} and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

X^3 is -C(R^7)(R^8)R^{16}, -C(R^6)(OR^6)$_2$, -CH$_2$C(O)R^{16}, -CH=CHS(O)$_2$R^5, -C(O)CF$_2$C(O)NR^{5}R^5, -C(O)C(O)NR^{5}R^6, -C(O)C(O)OR^5, -C(O)CH$_2$OR^5, -C(O)CH$_2$N(R^6)SO$_2$R^5 or -C(O)C(O)R^5; wherein R^5 is hydrogen, (C$_{1-4}$)alkyl, (C$_{3-10}$)cycloalkyl(C$_{0-6}$)alkyl, hetero(C$_{3-10}$)cycloalkyl(C$_{0-3}$)alkyl, (C$_{6-10}$)aryl(C$_{0-6}$)alkyl, hetero(C$_{5-10}$)aryl(C$_{0-6}$)alkyl, (C$_{9-10}$)bicycloaryl(C$_{0-6}$)alkyl or hetero(C$_{8-10}$)bicycloaryl(C$_{0-6}$)alkyl; R^6 is hydrogen, hydroxy or (C$_{1-6}$)alkyl; or where X^3 contains an -NR^{5}R^6 group, R^5 and R^6 together with the nitrogen atom to which they are both attached, form hetero(C$_{3-10}$)cycloalkyl, hetero(C$_{5-10}$)aryl or hetero(C$_{8-10}$)bicycloaryl; R^7 is hydrogen or (C$_{1-4}$)alkyl and R^8 is hydroxy or R^7 and R^8 together form oxo; R^{16} is hydrogen, -X^4, -CF$_3$, -CF$_2$CF$_2$R^9 or -N(R^6)OR^6; R^9 is hydrogen, halo, (C$_{1-4}$)alkyl, (C$_{5-10}$)aryl(C$_{0-6}$)alkyl or (C$_{5-10}$)heteroaryl(C$_{0-6}$)alkyl;

X^4 is ~~comprises~~ a heteromonocyclic ring containing 4 to 7 ring member atoms or a fused heterobicyclic ring system containing 8 to 14 ring member atoms and any carbocyclic ketone, iminoketone or thioketone derivative thereof, with the proviso that when -X^4 is other than a

heteromonocyclic ring containing 5 ring member atoms, wherein no more than two of the ring member atoms comprising the ring are heteroatoms, then X^2 is fluoro, -OH, $-OR^4$, $-NHR^{15}$ or $-NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

wherein within R^5, X^3 or X^4 any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5 is a bond or (C_{1-6})alkylene; R^{12} at each occurrence independently is hydrogen, (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; R^{13} is (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; and R^{14} is (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl;

R^1 is hydrogen or (C_{1-6})alkyl and R^2 is selected from a group consisting of hydrogen, cyano, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-R^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5, R^{12}, R^{13} and R^{14} are as defined above; or R^1 and R^2 taken together with the carbon atom to which both R^1 and R^2 are attached form (C_{3-8})cycloalkylene or (C_{3-8})heterocycloalkylene; wherein within said R^2 any heteroaryl, aryl, cycloalkyl, heterocycloalkyl, cycloalkylene or heterocycloalkylene is unsubstituted or substituted with 1 to 3 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$,

$-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$ and $-X^5C(O)R^{13}$, wherein X^5, R^{12} and R^{13} are as defined above;

R^3 is (C_{1-6})alkyl or $-C(R^6)(R^6)X^6$, wherein R^6 is hydrogen or (C_{1-6})alkyl and X^6 is selected from $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^5, R^{12}, R^{13} and R^{14} are as defined above;

R^4 is selected from $-X^8NR^{12}R^{12}$, $-X^8NR^{12}C(O)R^{12}$, $-X^8NR^{12}C(O)OR^{12}$, $-X^8NR^{12}C(O)NR^{12}R^{12}$, $-X^8NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^8OR^{12}$, $-X^8SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^8OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^8S(O)_2NR^{12}R^{12}$, $-X^8NR^{12}S(O)_2R^{12}$, $-X^8P(O)(OR^{12})OR^{12}$, $-X^8OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^8NR^{12}C(O)R^{13}$, $-X^8S(O)R^{13}$, $-X^8S(O)_2R^{13}$, $-R^{14}$, $-X^8OR^{14}$, $-X^8SR^{14}$, $-X^8S(O)R^{14}$, $-X^8S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^8OC(O)R^{14}$, $-X^8NR^{14}R^{12}$, $-X^8NR^{12}C(O)R^{14}$, $-X^8NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^8S(O)_2NR^{14}R^{12}$, $-X^8NR^{12}S(O)_2R^{14}$, $-X^8NR^{12}C(O)NR^{14}R^{12}$ and $-X^8NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^8 is (C_{1-6})alkylene and X^5, R^{12}, R^{13} and R^{14} are as defined above;

R^{15} is (C_{6-10})aryl, hetero(C_{5-10})aryl, (C_{9-10})bicycloaryl or hetero(C_{8-10})bicycloaryl;

R^{17} is hydrogen, (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-6})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl;

R^{18} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-6})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl; and

R^{19} and R^{20} together with the atoms to which R^{19} and R^{20} are attached form (C_{4-8})heterocycloalkylene, wherein no more than one of the ring member atoms comprising the

ring is a heteroatom selected from -NR^{21}- or -O-, wherein the ring is unsubstituted or substituted with R^2, wherein R^2 is as defined above, and R^{21} is hydrogen, -$C(O)OR^{12}$, -$C(O)R^{12}$, -$C(O)NR^{12}R^{12}$, -$S(O)_2NR^{12}R^{12}$, -$S(O)R^{13}$ and -$S(O)_2R^{13}$, -$S(O)R^{14}$, -$S(O)_2R^{14}$, -$C(O)R^{14}$, -$C(O)OR^{14}$, -$C(O)NR^{12}R^{12}$ and -$S(O)_2NR^{14}R^{12}$, wherein R^{12}, R^{13} and R^{14} are as defined above;

wherein within R^3, R^4, R^{15}, R^{17} and R^{18} any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, -$X^5NR^{12}R^{12}$, -$X^5NR^{12}C(O)R^{12}$, -$X^5NR^{12}C(O)OR^{12}$, -$X^5NR^{12}C(O)NR^{12}R^{12}$, -$X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, -$X^5OR^{12}$, -$X^5SR^{12}$, -$X^5C(O)OR^{12}$, -$X^5C(O)R^{12}$, -$X^5OC(O)R^{12}$, -$X^5C(O)NR^{12}R^{12}$, -$X^5S(O)_2NR^{12}R^{12}$, -$X^5NR^{12}S(O)_2R^{12}$, -$X^5P(O)(OR^{12})OR^{12}$, -$X^5OP(O)(OR^{12})OR^{12}$, -$X^5NR^{12}C(O)R^{13}$, -$X^5S(O)R^{13}$, -$X^5C(O)R^{13}$ and -$X^5S(O)_2R^{13}$ and/or 1 radical selected from -R^{14}, -X^5OR^{14}, -X^5SR^{14}, -$X^5S(O)R^{14}$, -$X^5S(O)_2R^{14}$, -$X^5C(O)R^{14}$, -$X^5C(O)OR^{14}$, -$X^5OC(O)R^{14}$, -$X^5NR^{14}R^{12}$, -$X^5NR^{12}C(O)R^{14}$, -$X^5NR^{12}C(O)OR^{14}$, -$X^5C(O)NR^{14}R^{12}$, -$X^5S(O)_2NR^{14}R^{12}$, -$X^5NR^{12}S(O)_2R^{14}$, -$X^5NR^{12}C(O)NR^{14}R^{12}$ and -$X^5NR^{12}C(NR^{12})NR^{14}R^{12}$; and within R^3 and R^4 any aliphatic moiety is unsubstituted or substituted further by 1 to 5 radicals independently selected from cyano, halo, nitro, -$NR^{12}R^{12}$, -$NR^{12}C(O)R^{12}$, -$NR^{12}C(O)OR^{12}$, -$NR^{12}C(O)NR^{12}R^{12}$, -$NR^{12}C(NR^{12})NR^{12}R^{12}$, -$OR^{12}$, -$SR^{12}$, -$C(O)OR^{12}$, -$C(O)R^{12}$, -$OC(O)R^{12}$, -$C(O)NR^{12}R^{12}$, -$S(O)_2NR^{12}R^{12}$, -$NR^{12}S(O)_2R^{12}$, -$P(O)(OR^{12})OR^{12}$, -$OP(O)(OR^{12})OR^{12}$, -$NR^{12}C(O)R^{13}$, -$S(O)R^{13}$ and -$S(O)_2R^{13}$; wherein X^5, R^{12}, R^{13} and R^{14} are as described above; with the proviso that only one bicyclic ring structure is present within R^3, R^4 or R^{15}; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

5. (Currently Amended) A compound of Claim 1 or Claim 2 in which:

X^1 is -$NHC(R^1)(R^2)X^3$ or -$NHCH(R^{19})C(O)R^{20}$;

X^2 is hydrogen, fluoro, -OH, -OR^4 or -$NR^{17}R^{18}$ and X^7 is hydrogen or X^2 and X^7 both represent fluoro;

X^3 is cyano;

wherein within X^3 any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5 is a bond or (C_{1-6})alkylene; R^{12} at each occurrence independently is hydrogen, (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; R^{13} is (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; and R^{14} is (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl;

R^1 is hydrogen or (C_{1-6})alkyl and R^2 is selected from a group consisting of hydrogen, cyano, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-R^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5, R^{12}, R^{13} and R^{14} are as defined above; or R^1 and R^2 taken together with the carbon atom to which both R^1 and R^2 are attached form (C_{3-8})cycloalkylene or (C_{3-8})heterocycloalkylene; wherein within said R^2 any heteroaryl, aryl, cycloalkyl, heterocycloalkyl, cycloalkylene or heterocycloalkylene is unsubstituted or substituted with 1 to 3 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$,

$-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$ and $-X^5C(O)R^{13}$, wherein X^5, R^{12} and R^{13} are as defined above;

R^3 is (C_{1-6})alkyl or $-C(R^6)(R^6)X^6$, wherein R^6 is hydrogen or (C_{1-6})alkyl and X^6 is selected from $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^5, R^{12}, R^{13} and R^{14} are as defined above;

R^4 is selected from $-X^8NR^{12}R^{12}$, $-X^8NR^{12}C(O)R^{12}$, $-X^8NR^{12}C(O)OR^{12}$, $-X^8NR^{12}C(O)NR^{12}R^{12}$, $-X^8NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^8OR^{12}$, $-X^8SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^8OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^8S(O)_2NR^{12}R^{12}$, $-X^8NR^{12}S(O)_2R^{12}$, $-X^8P(O)(OR^{12})OR^{12}$, $-X^8OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^8NR^{12}C(O)R^{13}$, $-X^8S(O)R^{13}$, $-X^8S(O)_2R^{13}$, $-R^{14}$, $-X^8OR^{14}$, $-X^8SR^{14}$, $-X^8S(O)R^{14}$, $-X^8S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^8OC(O)R^{14}$, $-X^8NR^{14}R^{12}$, $-X^8NR^{12}C(O)R^{14}$, $-X^8NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^8S(O)_2NR^{14}R^{12}$, $-X^8NR^{12}S(O)_2R^{14}$, $-X^8NR^{12}C(O)NR^{14}R^{12}$ and $-X^8NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^8 is (C_{1-6})alkylene and X^5, R^{12}, R^{13} and R^{14} are as defined above, with the proviso that when X^3 is cyano and X^2 is $-OR^4$, where R^4 is defined as $-R^{14}$, then R^{14} is (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-3})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl;

R^{15} is (C_{6-10})aryl, hetero(C_{5-10})aryl, (C_{9-10})bicycloaryl or hetero(C_{8-10})bicycloaryl;

R^{17} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-6})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl;

R^{18} is (C_{1-6})alkyl, (C_{3-10})cycloalkyl(C_{1-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{1-6})alkyl, (C_{6-10})aryl(C_{1-6})alkyl, hetero(C_{5-10})aryl(C_{1-6})alkyl, (C_{9-10})bicycloaryl(C_{1-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{1-6})alkyl; and

R^{19} and R^{20} together with the atoms to which R^{19} and R^{20} are attached form (C_{4-8})heterocycloalkylene, wherein no more than one of the ring member atoms comprising the ring is a heteroatom selected from $-NR^{21}-$ or -O-, wherein the ring is unsubstituted or substituted with R^2, wherein R^2 is as defined above, and R^{21} is hydrogen, $-C(O)OR^{12}$, $-C(O)R^{12}$, $-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-S(O)R^{13}$ and $-S(O)_2R^{13}$, $-S(O)R^{14}$, $-S(O)_2R^{14}$, $-C(O)R^{14}$, $-C(O)OR^{14}$, $-C(O)NR^{12}R^{12}$ and $-S(O)_2NR^{14}R^{12}$, wherein R^{12}, R^{13} and R^{14} are as defined above;

wherein within R^3, R^4, R^{15}, R^{17} and R^{18} any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5C(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$; and within R^3 and R^4 any aliphatic moiety is unsubstituted or substituted further by 1 to 5 radicals independently selected from cyano, halo, nitro, $-NR^{12}R^{12}$, $-NR^{12}C(O)R^{12}$, $-NR^{12}C(O)OR^{12}$, $-NR^{12}C(O)NR^{12}R^{12}$, $-NR^{12}C(NR^{12})NR^{12}R^{12}$, $-OR^{12}$, $-SR^{12}$, $-C(O)OR^{12}$, $-C(O)R^{12}$, $-OC(O)R^{12}$, $-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-NR^{12}S(O)_2R^{12}$, $-P(O)(OR^{12})OR^{12}$, $-OP(O)(OR^{12})OR^{12}$, $-NR^{12}C(O)R^{13}$, $-S(O)R^{13}$ and $-S(O)_2R^{13}$; wherein X^5, R^{12}, R^{13} and R^{14} are as described above, with the proviso that when X^2 is $-OR^4$, where R^4 is defined as $-R^{14}$, or $-NHR^{18}$, then any aromatic ring system present within R^{14} or R^{18} is not substituted further by halo, (C_{3-10})cycloalkyl, hetero(C_{3-10})cycloalkyl, (C_{6-10})aryl, hetero(C_{5-10})aryl, (C_{9-10})bicycloaryl or hetero(C_{8-10})bicycloaryl; with the proviso that only one bicyclic ring structure is present within R^3, R^4 or R^{15}; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

6. (Currently Amended) A compound of Claim 1 or 2 in which:

X^1 is $-NHC(R^1)(R^2)X^3$ or $-NHCH(R^{19})C(O)R^{20}$;

X^2 is -OH, $-OC(O)NR^{12}R^{12}$ or $-OC(O)R^{14}$, wherein R^{12} and R^{14} are as defined below;

X^3 is cyano, $-C(R^7)(R^8)R^{16}$, $-C(R^6)(OR^6)_2$, $-CH_2C(O)R^{16}$, $-CH{=}CHS(O)_2R^5$, $-C(O)CF_2C(O)NR^5R^5$, $-C(O)C(O)NR^5R^6$, $-C(O)C(O)OR^5$, $-C(O)CH_2OR^5$, $-C(O)CH_2N(R^6)SO_2R^5$ or $-C(O)C(O)R^5$; wherein R^5 is hydrogen, (C_{1-4})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl; R^6 is hydrogen, hydroxy or (C_{1-6})alkyl; or where X^3 contains an $-NR^5R^6$ group, R^5 and R^6 together with the nitrogen atom to which they are both attached, form hetero(C_{3-10})cycloalkyl, hetero(C_{5-10})aryl or hetero(C_{8-10})bicycloaryl; R^7 is hydrogen or (C_{1-4})alkyl and R^8 is hydroxy or R^7 and R^8 together form oxo; R^{16} is hydrogen, $-X^4$, $-CF_3$, $-CF_2CF_2R^9$ or $-N(R^6)OR^6$; R^9 is hydrogen, halo, (C_{1-4})alkyl, (C_{5-10})aryl(C_{0-6})alkyl or (C_{5-10})heteroaryl(C_{0-6})alkyl;

X^4 is ~~comprises~~ a heteromonocyclic ring containing 4 to 7 ring member atoms or a fused heterobicyclic ring system containing 8 to 14 ring member atoms and any carbocyclic ketone, iminoketone or thioketone derivative thereof;

wherein within R^5, X^3 or X^4 any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5 is a bond or (C_{1-6})alkylene; R^{12} at each occurrence independently is hydrogen, (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; R^{13} is (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; and R^{14} is (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl;

R^1 is hydrogen or (C_{1-6})alkyl and R^2 is selected from a group consisting of hydrogen, cyano, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-R^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5, R^{12}, R^{13} and R^{14} are as defined above; or R^1 and R^2 taken together with the carbon atom to which both R^1 and R^2 are attached form (C_{3-8})cycloalkylene or (C_{3-8})heterocycloalkylene; wherein within said R^2 any heteroaryl, aryl, cycloalkyl, heterocycloalkyl, cycloalkylene or heterocycloalkylene is unsubstituted or substituted with 1 to 3 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$ and $-X^5C(O)R^{13}$, wherein X^5, R^{12} and R^{13} are as defined above;

R^3 is (C_{1-6})alkyl or $-C(R^6)(R^6)X^6$, wherein R^6 is hydrogen or (C_{1-6})alkyl and X^6 is selected from $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5C(O)R^{13}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5S(O)_2R^{13}$, $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$ wherein X^5, R^{12}, R^{13} and R^{14} are as defined above; and

R^{19} and R^{20} together with the atoms to which R^{19} and R^{20} are attached form (C_{4-8})heterocycloalkylene, wherein no more than one of the ring member atoms comprising the ring is a heteroatom selected from $-NR^{21}-$ or –O-, wherein and the ring is unsubstituted or substituted with R^2, wherein R^2 is as defined above, and R^{21} is hydrogen, $-C(O)OR^{12}$, $-C(O)R^{12}$,

$-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-S(O)R^{13}$ and $-S(O)_2R^{13}$, $-S(O)R^{14}$, $-S(O)_2R^{14}$, $-C(O)R^{14}$, $-C(O)OR^{14}$, $-C(O)NR^{12}R^{12}$ and $-S(O)_2NR^{14}R^{12}$, wherein R^{12}, R^{13} and R^{14} are as defined above;

wherein within R^3, R^4, R^{15}, R^{17} and R^{18} any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5C(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{14}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$; and within R^3 and R^4 any aliphatic moiety is unsubstituted or substituted further by 1 to 5 radicals independently selected from cyano, halo, nitro, $-NR^{12}R^{12}$, $-NR^{12}C(O)R^{12}$, $-NR^{12}C(O)OR^{12}$, $-NR^{12}C(O)NR^{12}R^{12}$, $-NR^{12}C(NR^{12})NR^{12}R^{12}$, $-OR^{12}$, $-SR^{12}$, $-C(O)OR^{12}$, $-C(O)R^{12}$, $-OC(O)R^{12}$, $-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-NR^{12}S(O)_2R^{12}$, $-P(O)(OR^{12})OR^{12}$, $-OP(O)(OR^{12})OR^{12}$, $-NR^{12}C(O)R^{13}$, $-S(O)R^{13}$ and $-S(O)_2R^{13}$; wherein X^5, R^{12}, R^{13} and R^{14} are as described above; with the proviso that only one bicyclic ring structure is present within R^3, R^4 or R^{15}; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

7. (Currently Amended) The compound of Claim 1 or Claim 2 in which:

X^1 is $-NHC(R^1)(R^2)C(O)C(O)NR^5R^6$, wherein R^5 is hydrogen, (C_{1-4})alkyl, (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl and R^6 is hydrogen, hydroxy or (C_{1-6})alkyl or R^5 and R^6 together with the nitrogen atom to which they are both attached form hetero(C_{3-10})cycloalkyl, hetero(C_{5-10})aryl or hetero(C_{8-10})bicycloaryl;

X^2 is hydrogen;

wherein within X^1 any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$, $-X^5SR^{14}$, $-X^5S(O)R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)OR^{14}$, $-X^5OC(O)R^{14}$, $-X^5NR^{14}R^{12}$, $-X^5NR^{12}C(O)R^{14}$, $-X^5NR^{12}C(O)OR^{14}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{14}R^{12}$, $-X^5NR^{12}S(O)_2R^{14}$, $-X^5NR^{12}C(O)NR^{14}R^{12}$ and $-X^5NR^{12}C(NR^{12})NR^{14}R^{12}$, wherein X^5 is a bond or (C_{1-6})alkylene; R^{12} at each occurrence independently is hydrogen, (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; R^{13} is (C_{1-6})alkyl or halo-substituted(C_{1-6})alkyl; and R^{14} is (C_{3-10})cycloalkyl(C_{0-6})alkyl, hetero(C_{3-10})cycloalkyl(C_{0-3})alkyl, (C_{6-10})aryl(C_{0-6})alkyl, hetero(C_{5-10})aryl(C_{0-6})alkyl, (C_{9-10})bicycloaryl(C_{0-6})alkyl or hetero(C_{8-10})bicycloaryl(C_{0-6})alkyl;

R^1 is hydrogen and R^2 is (C_{1-6})alkyl; and

R^3 is $-CH_2X^6$, wherein X^6 is $-X^5NR^{12}S(O)_2R^{12}$ or $-X^5S(O)_2R^{14}$ wherein X^5, R^{12} and R^{14} are as defined above;

wherein within R^3 any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, (C_{1-6})alkylidene, cyano, halo, halo-substituted(C_{1-4})alkyl, nitro, $-X^5NR^{12}R^{12}$, $-X^5NR^{12}C(O)R^{12}$, $-X^5NR^{12}C(O)OR^{12}$, $-X^5NR^{12}C(O)NR^{12}R^{12}$, $-X^5NR^{12}C(NR^{12})NR^{12}R^{12}$, $-X^5OR^{12}$, $-X^5SR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{12}$, $-X^5OC(O)R^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$, $-X^5P(O)(OR^{12})OR^{12}$, $-X^5OP(O)(OR^{12})OR^{12}$, $-X^5NR^{12}C(O)R^{13}$, $-X^5S(O)R^{13}$, $-X^5C(O)R^{13}$ and $-X^5S(O)_2R^{13}$ and within R^3 any aliphatic moiety is unsubstituted or substituted further by 1 to 5 radicals independently selected from cyano, halo, nitro, $-NR^{12}R^{12}$, $-NR^{12}C(O)R^{12}$, $-NR^{12}C(O)OR^{12}$, $-NR^{12}C(O)NR^{12}R^{12}$, $-NR^{12}C(NR^{12})NR^{12}R^{12}$, $-OR^{12}$, $-SR^{12}$, $-C(O)OR^{12}$, $-C(O)R^{12}$, $-OC(O)R^{12}$, $-C(O)NR^{12}R^{12}$, $-S(O)_2NR^{12}R^{12}$, $-NR^{12}S(O)_2R^{12}$, $-P(O)(OR^{12})OR^{12}$, $-OP(O)(OR^{12})OR^{12}$, $-NR^{12}C(O)R^{13}$, $-S(O)R^{13}$ and $-S(O)_2R^{13}$; wherein X^5, R^{12}, R^{13} and R^{14} are as described above; with the proviso that only one bicyclic ring structure is present within R^3;

~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

8. (Currently Amended) The compound of Claim 3 in which:

X^1 is $-NHC(R^1)(R^2)X^3$ or $-NHCH(R^{19})C(O)R^{20}$, wherein R^1 is hydrogen or (C_{1-6})alkyl and R^2 is hydrogen, (C_{1-6})alkyl, $-X^5OR^{12}$, $-X^5S(O)R^{13}$, $-X^5OR^{14}$, (C_{6-10})aryl(C_{0-6})alkyl or hetero(C_{5-10})aryl(C_{0-6})alkyl or R^1 and R^2 taken together with the carbon atom to which both R^1 and R^2 are attached form (C_{3-6})cycloalkylene or (C_{3-6})heterocycloalkylene, wherein within said R^2 any heteroaryl, aryl, cycloalkylene or heterocycloalkylene is unsubstituted or substituted with (C_{1-6})alkyl or hydroxy, wherein X^3 is cyano, $-C(O)R^{16}$, $-C(R^6)(OR^6)_2$, $-CH{=}CHS(O)_2R^5$, $-CH_2C(O)R^{16}$, $-C(O)CF_2C(O)NR^5R^5$, $-C(O)C(O)NR^5R^6$, $-C(O)C(O)OR^5$, $-C(O)CH_2OR^5$, $-C(O)CH_2N(R^6)SO_2R^5$ or $-C(O)C(O)R^5$ and R^{19} and R^{20} together with the atoms to which R^{19} and R^{20} are attached form (C_{4-8})heterocycloalkylene, wherein no more than one of the ring member atoms comprising the ring is a heteroatom selected from $-NR^{21}-$ or -O-, wherein the ring is unsubstituted or substituted with (C_{1-6})alkyl or $-X^5C(O)OR^{12}$ and R^{21} is hydrogen, (C_{1-6})alkyl, $-X^5C(O)R^{12}$, $-X^5C(O)OR^{12}$, $-R^{14}$, $-X^5C(O)R^{14}$ or $-C(O)OR^{14}$;

X^2 is -OH or $-OC(O)NR^{12}R^{12}$, wherein each R^{12} independently represent hydrogen or (C_{1-6})alkyl, wherein said alkyl is unsubstituted or substituted with hydroxy or methoxy, or X^2 is $-OC(O)NHR^{14}$, wherein R^{14} is (C_{3-10})cycloalkyl(C_{0-6})alkyl or hetero(C_{3-10})cycloalkyl(C_{1-3})alkyl, or X^2 is $-OC(O)R^{14}$, wherein R^{14} is $-NR^{22}R^{23}$ and R^{22} and R^{23} together with the nitrogen atom to which both R^{22} and R^{23} attached form a hetero(C_{4-6})cycloalkyl ring, which ring may be unsubstituted or substituted with hydroxy; and

R^3 is $-CH_2X^6$; wherein X^6 is is selected from $-X^5SR^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2R^{13}$, $-X^5C(O)R^{13}$, $-X^5OR^{12}$, $-X^5SR^{14}$, $-X^5R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)NR^{14}R^{12}$; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and

mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

9. (Currently Amended) The compound of Claim 8 in which:

X^3 is cyano, $-C(O)X^4$, -C(O)H, $-C(O)N(CH_3)OCH_3$, $-CH(OCH_3)_2$, $-C(O)CF_3$, $-C(O)CF_2CF_3$, $-CH_2C(O)R^{16}$, (E)-2-benzenesulfonyl-vinyl, 2-dimethylcarbamoyl-2,2-difluoro-acetyl, 2-oxo-2-pyrrolidin-1-yl-acetyl, 2-morpholin-4-yl-2-oxo-acetyl, 2-oxo-2-piperazin-1-yl-acetyl, 2-(4-methanesulfonyl-piperazin-1-yl)-2-oxo-acetyl, 2-(1,1-dioxo-1□^{6}-thiomorpholin-4-yl)-2-oxo-acetyl, dimethylaminooxalyl, tetrahydro-pyran-4-ylaminooxalyl, 2-morpholin-4-yl-ethylaminooxalyl, cyclopentyl-ethyl-aminooxalyl, pyridin-3-ylaminooxalyl, phenylaminooxalyl, 1-benzoyl-piperidin-4-ylaminooxalyl, 1-benzylcarbamoyl-methanoyl, 1-benzyloxy(oxalyl), 2-benzyloxy-acetyl, 2-benzenesulfonylamino-ethanoyl, 2-oxo-2-phenyl-ethanoyl, 3*H*-oxazole-2-carbonyl, 5-trifluoromethyl-oxazole-2-carbonyl, 3-trifluoromethyl-[1,2,4]oxadiazole-5-carbonyl, 2,2,3,3,3-pentafluoro-propionyl, hydroxyaminooxalyl, oxalyl, 2-(1,3-dihydro-isoindol-2-yl)-2-oxo-acetyl, benzothiazol-2-ylaminooxalyl, 2-oxo-ethyl, 2-oxazol-2-yl-2-oxo-ethyl or 2-benzooxazol-2-yl-2-oxo-ethyl;

X^2 is selected from -OH, dimethylcarbamoyloxy, morpholin-4-ylcarbonyloxy, piperidin-1-yl-carbonyloxy, pyrrolidin-1-yl-carbonyloxy, pyrimidin-2-ylamino, tetrahydro-pyran-4-ylamino, 1-methyl-piperidin-4-ylamino, *N*-(2-methoxyethyl)-*N*-(tetrahydro-pyran-4-yl)amino, isopropylamino and cyclohexylamino; 4-*tert*-butoxycarbonylpiperazin-1-ylcarbonyloxy, *N*-benzyl-carbamoyloxy, pyrrolidin-1-yl-carbonyloxy, *N*,*N*-dimethyl-carbamoyloxy, piperidin-1-yl-carbonyloxy, 4-methanesulfonyl-piperazin-1-yl-carbonyloxy, 4-ethoxycarbonylpiperazin-1-ylcarbonyloxy, *N*-cyclohexyl-carbamoyloxy, *N*-phenyl-carbamoyloxy, *N*-(5,6,7,8-tetrahydro-naphthalen-1-yl)-carbamoyloxy, *N*-butyl-*N*-methyl-carbamoyloxy, *N*-pyridin-3-yl-carbamoyloxy, *N*-isopropyl-carbamoyloxy, *N*-pyridin-4-yl-carbamoyloxy, *N*-cyanomethyl-*N*-methyl-carbamoyloxy, *N*,*N*-bis-(2-methoxy-ethyl)-carbamoyloxy, *N*-phenethyl-carbamoyloxy, piperazine- carbonyloxy, *N*-naphthalen-2-yl-carbamoyloxy, 4-benzyl-piperazine-1-carbamoyloxy, 4-(1-furan-2-yl-carbonyl)-piperazine-1-carbamoyloxy, thiomorpholin-4-yl- carbonyloxy, 1,1-dioxo-1λ^6-thiomorpholin-4-yl)-carbonyloxy, bis-(2-methoxy-ethyl)-carbamoyloxy, morpholin-4-ylcarbonyloxy,

2-methoxyethylcarbamoyloxy, diethylcarbamoyloxy, pyrrolidin-1-ylcarbonyloxy, 2-hydroxyethylcarbamoyloxy, tetrahydro-furan-2-ylmethylcarbamoyloxy, cyclopropylcarbamoyloxy, *tert*-butylcarbamoyloxy, 3-hydroxy-pyrrolidin-1-yl-carbonyloxy and carbamoyloxy; and

R^3 is thiophene-2-sulfonyl-methyl, 3-chloro-2-fluoro-phenyl-methane-sulfonyl-methyl, benzene-sulfonyl-methyl, phenyl-methane-sulfonyl-methyl, 2-(1,1-difluoro-methoxy)-phenyl-methane-sulfonyl-methyl, 2-benzene-sulfonyl-ethyl, 2-(pyridine-2-sulfonyl)-ethyl, 2-(pyridine-4-sulfonyl)-ethyl, 2-phenyl-methanesulfonyl-ethyl, oxy-pyridin-2-yl-methane-sulfonyl-methyl, prop-2-ene-1-sulfonyl-methyl, 4-methoxy-phenyl-methane-sulfonyl-methyl, *p*-tolyl-methane-sulfonyl-methyl, 4-chloro-phenyl-methane-sulfonyl-methyl, *o*-tolyl-methane-sulfonyl-methyl, 3,5-dimethyl-phenyl-methane-sulfonyl-methyl, 4-trifluoro-methyl-phenyl-methane-sulfonyl-methyl, 4-trifluoro-methoxy-phenyl-methane-sulfonyl-methyl, 2-bromo-phenyl-methane-sulfonyl-methyl, pyridin-2-yl-methane-sulfonyl-methyl, pyridin-3-yl-methane-sulfonyl-methyl, pyridin-4-yl-methane-sulfonyl-methyl, naphthalen-2-yl-methane-sulfonyl-methyl, 3-methyl-phenyl-methane-sulfonyl-methyl, 3-trifluoro-methyl-phenyl-methane-sulfonyl-methyl, 3-trifluoro-methoxy-phenyl-methane-sulfonyl-methyl, 4-fluoro-2-trifluoromethoxy-phenyl-methane-sulfonylmethyl, 2-fluoro-6-trifluoromethyl-phenylmethanesulfonylmethyl, 3-chloro-phenylmethanesulfonylmethyl, 2-fluoro-phenylmethanesulfonylmethyl, 2-trifluoro-phenylmethanesulfonylmethyl, 2-cyano-phenylmethanesulfonylmethyl, 4-*tert*-butyl-phenylmethanesulfonylmethyl, 2-fluoro-3-methyl-phenyl-methane-sulfonyl-methyl, 3-fluoro-phenylmethanesulfonylmethyl, 4-fluoro-phenylmethane-sulfonylmethyl, 2-chloro-phenylmethanesulfonylmethyl, 2,5-difluoro-phenylmethane-sulfonylmethyl, 2,6-difluoro-phenylmethanesulfonylmethyl, 2,5-dichloro-phenyl-methane-sulfonylmethyl, 3,4-dichloro-phenylmethanesulfonylmethyl, 2-(1,1-difluoro-methoxy)-phenyl-methanesulfonylmethyl, 2-cyano-phenyl-methane-sulfonyl-methyl, 3-cyano-phenylmethanesulfonylmethyl, 2-trifluoro-methoxy-phenyl-methane-sulfonylmethyl, 2,3-difluoro-phenylmethanesulfonylmethyl, 2,5-difluoro-phenyl-methanesulfonylmethyl, biphenyl-2-ylmethanesulfonylmethyl, cyclohexylmethyl, 3-fluoro-phenyl-methanesulfonylmethyl, 3,4-difluoro-phenyl-methanesulfonylmethyl, 2,4-difluoro-phenylmethanesulfonylmethyl, 2,4,6-trifluoro-phenylmethanesulfonylmethyl,

2,4,5-trifluoro-phenylmethanesulfonylmethyl, 2,3,4-trifluoro-phenylmethanesulfonylmethyl, 2,3,5-trifluoro-phenyl-methane-sulfonylmethyl, 2,5,6-trifluoro-phenylmethanesulfonylmethyl, 2-chloro-5-trifluoro-methylphenylmethanesulfonylmethyl, 2-methyl-propane-1-sulfonyl, 2-fluoro-3-trifluoro-methylphenylmethanesulfonylmethyl, 2-fluoro-4-trifluoro-methylphenylmethanesulfonylmethyl, 2-fluoro-5-trifluoro-methyl-phenyl-methane-sulfonyl-methyl, 4-fluoro-3-trifluoro-methylphenylmethanesulfonylmethyl, 2-methoxy-phenyl-methanesulfonylmethyl, 3,5-bis-trifluoromethyl-phenylmethanesulfonylmethyl, 4-difluoromethoxy-phenylmethanesulfonylmethyl, 2-difluoro-methoxy-phenyl-methanesulfonylmethyl, 3-difluoromethoxy-phenylmethanesulfonylmethyl, 2,6-dichloro-phenylmethanesulfonylmethyl, biphenyl-4-ylmethanesulfonylmethyl, 3,5-dimethyl-isoxazol-4-ylmethanesulfonylmethyl, 5-chloro-thien-2-yl-methane-sulfonylmethyl, 2-[4-(1,1-difluoro-methoxy)-benzenesulfonyl]-ethyl, 2-[2-(1,1-difluoro-methoxy)-benzenesulfonyl]-ethyl, 2-[3-(1,1-difluoro-methoxy)-benzenesulfonyl]-ethyl, 2-(4-trifluoromethoxy-benzenesulfonyl)-ethyl, 2-(3-trifluoromethoxy-benzenesulfonyl)-ethyl, 2-(2-trifluoro-methoxy-benzene-sulfonyl)-ethyl, (cyanomethyl-methyl-carbamoyl)-methyl, biphenyl-3-ylmethyl, 2-oxo-2-pyrrolidin-1-yl-ethyl, 2-benzenesulfonyl-ethyl, isobutylsulfanylmethyl, 2-phenylsulfanyl-ethyl, cyclohexylmethanesulfonylmethyl, 2-cyclohexyl-ethanesulfonyl, benzyl, naphthalen-2-yl, benzylsulfanylmethyl, 2-trifluoromethyl-benzylsulfanylmethyl, phenylsulfanyl-ethyl, cyclopropyl-methanesulfonylmethyl, 5-bromo-thien-2-ylmethyl, 3-phenyl-propyl, 2,2-difluoro-3-phenyl-propyl, 3,4,5-trimethoxy-phenylmethanesulfonylmethyl, 2,2-difluoro-3-thien-2-yl-propyl, cyclohexylethyl, cyclohexylmethyl, *tert*-butylmethyl, 1-methylcyclohexylmethyl, 1-methylcyclopentylmethyl, 2,2-difluoro-3-phenylpropyl, 2,2-dimethyl-3-phenylpropyl, 1-benzylcyclopropylmethyl, $-X^5S(O)_2R^{13}$ and $-X^5S(O)_2R^{14}$, wherein R^{13} is alkyl and R^{14} is phenyl which phenyl is unsubstituted or substituted; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

10. (Currently Amended) A compound of Claim 9 in which:

X^3 is 1*H*-benzoimidazol-2-ylcarbonyl, pyrimidin-2-ylcarbonyl, benzooxazol-2-ylcarbonyl, benzothiazol-2-ylcarbonyl, pyridazin-3-ylcarbonyl, 3-phenyl-[1,2,4]oxadiazol-5-ylcarbonyl or 3-ethyl-[1,2,4]oxadiazol-5-ylcarbonyl, 2-oxo-2-pyrrolidin-1-yl-acetyl, 2-morpholin-4-yl-2-oxo-acetyl, 2-oxo-2-piperazin-1-yl-acetyl, 2-(4-methanesulfonyl-piperazin-1-yl)-2-oxo-acetyl, 2-(1,1-dioxo-1-thiomorpholin-4-yl)-2-oxo-acetyl, dimethylaminooxalyl, tetrahydro-pyran-4-ylaminooxalyl, 2-morpholin-4-yl-ethylaminooxalyl, cyclopentyl-ethyl-aminooxalyl, pyridin-3-ylaminooxalyl, phenylaminooxalyl or 1-benzoyl-piperidin-4-ylaminooxalyl;

X^2 is selected from -OH, dimethylcarbamoyloxy, morpholin-4-ylcarbonyloxy, piperidin-1-yl-carbonyloxy, pyrrolidin-1-yl-carbonyloxy, pyrimidin-2-ylamino, tetrahydro-pyran-4-ylamino, 1-methyl-piperidin-4-ylamino, *N*-(2-methoxyethyl)-*N*-(tetrahydro-pyran-4-yl)amino, isopropylamino and cyclohexylamino;

R^3 is cyclohexylethyl, cyclohexylmethyl, *tert*-butylmethyl, 1-methylcyclohexylmethyl, 1-methylcyclopentylmethyl, 2,2-difluoro-3-phenylpropyl, 2,2-dimethyl-3-phenylpropyl, 1-benzylcyclopropylmethyl, $-X^5S(O)_2R^{13}$ or $-X^5S(O)_2R^{14}$, wherein R^{13} is alkyl and R^{14} is phenyl which phenyl is unsubstituted or substituted; and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof~~.

11. (Currently Amended) The compound of Claim 3 in which:

X^1 is $-NHC(R^1)(R^2)X^3$ or $-NHCH(R^{19})C(O)R^{20}$, wherein R^1 is hydrogen or (C_{1-6})alkyl and R^2 is hydrogen, (C_{1-6})alkyl, $-X^5OR^{12}$, $-X^5S(O)R^{13}$, $-X^5OR^{14}$, (C_{6-10})aryl(C_{0-6})alkyl or hetero(C_{5-10})aryl(C_{0-6})alkyl or R^1 and R^2 taken together with the carbon atom to which both R^1 and R^2 are attached form (C_{3-6})cycloalkylene or (C_{3-6})heterocycloalkylene, wherein within said R^2 any heteroaryl, aryl, cycloalkylene or heterocycloalkylene is unsubstituted or substituted with (C_{1-6})alkyl or hydroxy, wherein X^3 is cyano, $-C(O)R^{16}$, $-C(R^6)(OR^6)_2$, $-CH=CHS(O)_2R^5$, $-CH_2C(O)R^{16}$, $-C(O)CF_2C(O)NR^5R^5$, $-C(O)C(O)NR^5R^6$, $-C(O)C(O)OR^5$, $-C(O)CH_2OR^5$, $-C(O)CH_2N(R^6)SO_2R^5$ or $-C(O)C(O)R^5$ and R^{19} and R^{20} together with the atoms to which R^{19}

and R^{20} are attached form (C_{4-8})heterocycloalkylene, wherein no more than one of the ring member atoms comprising the ring is a heteroatom selected from $-NR^{21}-$ or -O-, wherein the ring is unsubstituted or substituted with (C_{1-6})alkyl or $-X^5C(O)OR^{12}$ and R^{21} is hydrogen, (C_{1-6})alkyl, $-X^5C(O)R^{12}$, $-X^5C(O)OR^{12}$, $-R^{14}$, $-X^5C(O)R^{14}$ or $-C(O)OR^{14}$;

X^2 is $-NHR^{15}$, wherein R^{15} is (C_{6-10})aryl, hetero(C_{5-10})aryl, (C_{9-10})bicycloaryl or hetero(C_{8-10})bicycloaryl, or $-NR^{17}R^{18}$, wherein R^{17} is hetero(C_{3-10})cycloalkyl and R^{18} is hydrogen or R^{17} and R^{18} independently are (C_{6-10})aryl(C_{1-6})alkyl or hetero(C_{5-10})aryl(C_{1-6})alkyl, wherein within R^{15}, R^{17} and R^{18} any alicyclic or aromatic ring system is unsubstituted or substituted further by 1 to 5 radicals independently selected from (C_{1-6})alkyl, cyano, halo, nitro, halo-substituted(C_{1-4})alkyl, $-X^5OR^{12}$, $-X^5C(O)OR^{12}$, $-X^5C(O)R^{13}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5NR^{12}S(O)_2R^{12}$ and/or 1 radical selected from $-R^{14}$, $-X^5OR^{14}$ and $-X^5C(O)NR^{14}R^{12}$; and

R^3 is $-CH_2X^6$; wherein X^6 is is selected from $-X^5SR^{12}$, $-X^5C(O)NR^{12}R^{12}$, $-X^5S(O)_2R^{13}$, $-X^5C(O)R^{13}$, $-X^5OR^{12}$, $-X^5SR^{14}$, $-X^5R^{14}$, $-X^5S(O)_2R^{14}$, $-X^5C(O)R^{14}$, $-X^5C(O)NR^{14}R^{12}$; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.

12. (Currently Amended) The compound of Claim 11 in which:

X^3 is cyano, $-C(O)X^4$, -C(O)H, $-C(O)N(CH_3)OCH_3$, $-CH(OCH_3)_2$, $-C(O)CF_3$, $-C(O)CF_2CF_3$, $-CH_2C(O)R^{16}$, (E)-2-benzenesulfonyl-vinyl, 2-dimethylcarbamoyl-2,2-difluoro-acetyl, 2-oxo-2-pyrrolidin-1-yl-acetyl, 2-morpholin-4-yl-2-oxo-acetyl, 2-oxo-2-piperazin-1-yl-acetyl, 2-(4-methanesulfonyl-piperazin-1-yl)-2-oxo-acetyl, 2-(1,1-dioxo-1□^{6}-thiomorpholin-4-yl)-2-oxo-acetyl, dimethylaminooxalyl, tetrahydro-pyran-4-ylaminooxalyl, 2-morpholin-4-yl-ethylaminooxalyl, cyclopentyl-ethyl-aminooxalyl, pyridin-3-ylaminooxalyl, phenylaminooxalyl, 1-benzoyl-piperidin-4-ylaminooxalyl, 1-benzylcarbamoyl-methanoyl, 1-benzyloxy(oxalyl), 2-benzyloxy-acetyl, 2-benzenesulfonylamino-ethanoyl, 2-oxo-2-phenyl-ethanoyl, 3*H*-oxazole-2-carbonyl, 5-trifluoromethyl-oxazole-2-carbonyl, 3-trifluoromethyl-[1,2,4]oxadiazole-5-carbonyl, 2,2,3,3,3-pentafluoro-propionyl, hydroxyaminooxalyl, oxalyl, 2-(1,3-dihydro-isoindol-2-yl)-2-

oxo-acetyl, benzothiazol-2-ylaminooxalyl, 2-oxo-ethyl, 2-oxazol-2-yl-2-oxo-ethyl or 2-benzooxazol-2-yl-2-oxo-ethyl;

X^2 is selected from 5-nitrothiazol-2-ylamino, 2-nitrophenylamino, pyrimidin-2-ylamino, tetrahydro-pyran-4-ylamino, *N*-(2-methoxyethyl)-*N*-(tetrahydro-pyran-4-yl)amino, 1-methyl-piperidin-4-ylamino, isopropylamino, di(thien-2-ylmethyl)amino or di(benzyl)amino; and

R^3 is thiophene-2-sulfonyl-methyl, 3-chloro-2-fluoro-phenyl-methane-sulfonyl-methyl, benzene-sulfonyl-methyl, phenyl-methane-sulfonyl-methyl, 2-(1,1-difluoro-methoxy)-phenyl-methane-sulfonyl-methyl, 2-benzene-sulfonyl-ethyl, 2-(pyridine-2-sulfonyl)-ethyl, 2-(pyridine-4-sulfonyl)-ethyl, 2-phenyl-methanesulfonyl-ethyl, oxy-pyridin-2-yl-methane-sulfonyl-methyl, prop-2-ene-1-sulfonyl-methyl, 4-methoxy-phenyl-methane-sulfonyl-methyl, *p*-tolyl-methane-sulfonyl-methyl, 4-chloro-phenyl-methane-sulfonyl-methyl, *o*-tolyl-methane-sulfonyl-methyl, 3,5-dimethyl-phenyl-methane-sulfonyl-methyl, 4-trifluoro-methyl-phenyl-methane-sulfonyl-methyl, 4-trifluoro-methoxy-phenyl-methane-sulfonyl-methyl, 2-bromo-phenyl-methane-sulfonyl-methyl, pyridin-2-yl-methane-sulfonyl-methyl, pyridin-3-yl-methane-sulfonyl-methyl, pyridin-4-yl-methane-sulfonyl-methyl, naphthalen-2-yl-methane-sulfonyl-methyl, 3-methyl-phenyl-methane-sulfonyl-methyl, 3-trifluoro-methyl-phenyl-methane-sulfonyl-methyl, 3-trifluoro-methoxy-phenyl-methane-sulfonyl-methyl, 4-fluoro-2-trifluoromethoxy-phenyl-methane-sulfonylmethyl, 2-fluoro-6-trifluoromethyl-phenylmethanesulfonylmethyl, 3-chloro-phenylmethanesulfonylmethyl, 2-fluoro-phenylmethanesulfonylmethyl, 2-trifluoro-phenylmethanesulfonylmethyl, 2-cyano-phenylmethanesulfonylmethyl, 4-*tert*-butyl-phenylmethanesulfonylmethyl, 2-fluoro-3-methyl-phenyl-methane-sulfonyl-methyl, 3-fluoro-phenylmethanesulfonylmethyl, 4-fluoro-phenylmethane-sulfonylmethyl, 2-chloro-phenylmethanesulfonylmethyl, 2,5-difluoro-phenylmethane-sulfonylmethyl, 2,6-difluoro-phenylmethanesulfonylmethyl, 2,5-dichloro-phenyl-methane-sulfonylmethyl, 3,4-dichloro-phenylmethanesulfonylmethyl, 2-(1,1-difluoro-methoxy)-phenyl-methanesulfonylmethyl, 2-cyano-phenyl-methane-sulfonyl-methyl, 3-cyano-phenylmethanesulfonylmethyl, 2-trifluoro-methoxy-phenyl-methane-sulfonylmethyl, 2,3-difluoro-phenylmethanesulfonylmethyl, 2,5-difluoro-phenyl-methanesulfonylmethyl, biphenyl-2-ylmethanesulfonylmethyl, cyclohexylmethyl, 3-fluoro-phenyl-methanesulfonylmethyl, 3,4-difluoro-phenyl-methanesulfonylmethyl,

2,4-difluoro-phenylmethanesulfonylmethyl, 2,4,6-trifluoro-phenylmethanesulfonylmethyl, 2,4,5-trifluoro-phenylmethanesulfonylmethyl, 2,3,4-trifluoro-phenylmethanesulfonylmethyl, 2,3,5-trifluoro-phenyl-methane-sulfonylmethyl, 2,5,6-trifluoro-phenylmethanesulfonylmethyl, 2-chloro-5-trifluoro-methylphenylmethanesulfonylmethyl, 2-methyl-propane-1-sulfonyl, 2-fluoro-3-trifluoro-methylphenylmethanesulfonylmethyl, 2-fluoro-4-trifluoro-methylphenylmethanesulfonylmethyl, 2-fluoro-5-trifluoro-methyl-phenyl-methane-sulfonyl-methyl, 4-fluoro-3-trifluoro-methylphenylmethanesulfonylmethyl, 2-methoxy-phenyl-methanesulfonylmethyl, 3,5-bis-trifluoromethyl-phenylmethanesulfonylmethyl, 4-difluoromethoxy-phenylmethanesulfonylmethyl, 2-difluoro-methoxy-phenyl-methanesulfonylmethyl, 3-difluoromethoxy-phenylmethanesulfonylmethyl, 2,6-dichloro-phenylmethanesulfonylmethyl, biphenyl-4-ylmethanesulfonylmethyl, 3,5-dimethyl-isoxazol-4-ylmethanesulfonylmethyl, 5-chloro-thien-2-yl-methane-sulfonylmethyl, 2-[4-(1,1-difluoro-methoxy)-benzenesulfonyl]-ethyl, 2-[2-(1,1-difluoro-methoxy)-benzenesulfonyl]-ethyl, 2-[3-(1,1-difluoro-methoxy)-benzenesulfonyl]-ethyl, 2-(4-trifluoromethoxy-benzenesulfonyl)-ethyl, 2-(3-trifluoromethoxy-benzenesulfonyl)-ethyl, 2-(2-trifluoro-methoxy-benzene-sulfonyl)-ethyl, (cyanomethyl-methyl-carbamoyl)-methyl, biphenyl-3-ylmethyl, 2-oxo-2-pyrrolidin-1-yl-ethyl, 2-benzenesulfonyl-ethyl, isobutylsulfanylmethyl, 2-phenylsulfanyl-ethyl, cyclohexylmethanesulfonylmethyl, 2-cyclohexyl-ethanesulfonyl, benzyl, naphthalen-2-yl, benzylsulfanylmethyl, 2-trifluoromethyl-benzylsulfanylmethyl, phenylsulfanyl-ethyl, cyclopropyl-methanesulfonylmethyl, 5-bromo-thien-2-ylmethyl, 3-phenyl-propyl, 2,2-difluoro-3-phenyl-propyl, 3,4,5-trimethoxy-phenylmethanesulfonylmethyl, 2,2-difluoro-3-thien-2-yl-propyl, cyclohexylethyl, cyclohexylmethyl, *tert*-butylmethyl, 1-methylcyclohexylmethyl, 1-methylcyclopentylmethyl, 2,2-difluoro-3-phenylpropyl, 2,2-dimethyl-3-phenylpropyl, 1-benzylcyclopropylmethyl, $-X^5S(O)_2R^{13}$ and $-X^5S(O)_2R^{14}$, wherein R^{13} is alkyl and R^{14} is phenyl which phenyl is unsubstituted or substituted; ~~*N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof;~~ and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof. ~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

13. (Currently Amended) A compound of Claim 12 in which:

X^3 is 1*H*-benzoimidazol-2-ylcarbonyl, pyrimidin-2-ylcarbonyl, benzooxazol-2-ylcarbonyl, benzothiazol-2-ylcarbonyl, pyridazin-3-ylcarbonyl, 3-phenyl-[1,2,4]oxadiazol-5-ylcarbonyl or 3-ethyl-[1,2,4]oxadiazol-5-ylcarbonyl, 2-oxo-2-pyrrolidin-1-yl-acetyl, 2-morpholin-4-yl-2-oxo-acetyl, 2-oxo-2-piperazin-1-yl-acetyl, 2-(4-methanesulfonyl-piperazin-1-yl)-2-oxo-acetyl, 2-(1,1-dioxo-1-thiomorpholin-4-yl)-2-oxo-acetyl, dimethylaminooxalyl, tetrahydro-pyran-4-ylaminooxalyl, 2-morpholin-4-yl-ethylaminooxalyl, cyclopentyl-ethyl-aminooxalyl, pyridin-3-ylaminooxalyl, phenylaminooxalyl or 1-benzoyl-piperidin-4-ylaminooxalyl;

X^2 is selected from -OH, dimethylcarbamoyloxy, morpholin-4-ylcarbonyloxy, piperidin-1-yl-carbonyloxy, pyrrolidin-1-yl-carbonyloxy, pyrimidin-2-ylamino, tetrahydro-pyran-4-ylamino, 1-methyl-piperidin-4-ylamino, *N*-(2-methoxyethyl)-*N*-(tetrahydro-pyran-4-yl)amino, isopropylamino and cyclohexylamino;

R^3 is cyclohexylethyl, cyclohexylmethyl, *tert*-butylmethyl, 1-methylcyclohexylmethyl, 1-methylcyclopentylmethyl, 2,2-difluoro-3-phenylpropyl, 2,2-dimethyl-3-phenylpropyl, 1-benzylcyclopropylmethyl, $-X^5S(O)_2R^{13}$ or $-X^5S(O)_2R^{14}$, wherein R^{13} is alkyl and R^{14} is phenyl which phenyl is unsubstituted or substituted; and the pharmaceutically acceptable salts and solvates of such compounds and the *N*-oxides, prodrugs, compounds thereof having protected reactive groups, stereoisomers and mixtures of stereoisomers thereof.~~and the *N*-oxide derivatives, prodrug derivatives, protected derivatives, individual isomers and mixtures of isomers thereof.~~

14. (Currently Amended) A compound of Claim 1 selected from the group consisting of:
(*R*)-*N*-cyanomethyl-2-hydroxy-3-phenylmethanesulfonyl-propionamide;

(*R*)-*N*-(1-cyano-1-thiophen-2-yl-methyl)-2-hydroxy-3-phenylmethanesulfonyl-propionamide;

(*R*)-*N*-(1-cyano-1-thiophen-2-yl-methyl)-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide;

(*R*)-*N*-cyanomethyl-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide;

morpholine-4-carboxylic acid (*R*)-1-(cyanomethyl-carbamoyl)-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (R)-1-(cyanomethyl-carbamoyl)-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester;

(R)-(2-methoxy-ethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-phenylmethanesulfonyl-ethyl ester;

(S)-diethyl-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-pyrrolidine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-morpholine-4-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-4-Ethyl-piperazine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-2-hydroxymethyl-pyrrolidine-1-carboxylic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-(2,2,2-Trifluoro-ethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-(2-hydroxyethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(Tetrahydrofuran-2-ylmethyl)-carbamic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-Azetidine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-cyclopropyl-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-piperidine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-(2-methoxy-ethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(R)-3-hydroxy-pyrrolidine-1-carboxylic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-3-hydroxy-pyrrolidine-1-carboxylic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-morpholine-4-carboxylic acid 1-(cyanomethyl-carbamoyl)-3-cyclohexyl-propyl ester;

morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester;

morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzothiazol-2-yl-methanoyl)-propylcarbamoyl]-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester;

pyrrolidine-1-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

dimethyl-carbamic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (R)-1-[(S)-1-(1-benzylcarbamoyl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (S)-1-[(S)-1-(oxazolo[4,5-b]pyridine-2-carbonyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;
morpholine-4-carboxylic acid (S)-1-[(S)-1-(5-ethyl-[1,3,4]oxadiazole-2-carbonyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;
(S)-2-{(R)-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propanoylamino}-*N*-methoxy-*N*-methyl-butyramide;

(R)-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-*N*-((S)-1-formyl-propyl)-2-hydroxy-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-hydroxy-3-phenyl-methanesulfonyl-propionamide;

(S)-3-{3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-propanoylamino}-2-oxo-pentanoic acid benzylamide;

N-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-propionamide;

N-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-3-phenyl-propyl]-3-*p*-tolylmethanesulfonyl-propionamide;
3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-(1-ethyl-2,3-dioxo-3-pyrrolidin-1-yl-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-(1-ethyl-3-morpholin-4-yl-2,3-dioxo-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-(1-ethyl-2,3-dioxo-3-piperazin-1-yl-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-[3-(1,1-dioxo-116-thiomorpholin-4-yl)-1-ethyl-2,3-dioxo-propyl]-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-[1-ethyl-3-(4-methyl-sulfonyl-piperazin-1-yl)-2,3-dioxo-propyl]-propionamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid dimethylamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid cyclopentyl-ethyl-amide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid phenylamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid pyridin-3-ylamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid (tetrahydro-pyran-4-yl)-amide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid (1-benzoyl-piperidin-4-yl)-amide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid (2-morpholin-4-yl-ethyl)-amide;
(R)-*N*-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-(2-nitro-phenylamino)-3-phenylmethanesulfonyl-propionamide;

N-[1-(benzooxazole-2-carbonyl)-propyl]-3-phenylmethanesulfonyl-2-(pyrimidin-2-ylamino)-propionamide.

(R)-*N*-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-butyl]-2-(5-nitro-thiazol-2-ylamino)-3-phenylmethanesulfonyl-propionamide;

(2S) (4,4-difluoro-2-hydroxy-5-phenyl-pentanoic acid (1(S)-cyano-3-phenyl-propyl)-amide;
N-(1(S)-cyano-3-phenyl-propyl)-2-(S)-(2-morpholin-4-yl-2-oxo-ethoxy)-4-phenyl-butyramide;

N-(1-(S)-cyano-3-phenyl-propyl)-2-(S)-fluoro-4-phenyl-butyramide;

N-(1-(S)-cyano-3-phenyl-propyl)-2,2-difluoro-4-phenyl-butyramide;

N-(1-(S)-cyano-3-phenyl-propyl)-2-(S)-hydroxy-4-phenyl-butyramide;

N-(1-(S)-cyano-3-phenyl-propyl)-2-(R)-hydroxy-4-phenyl-butyramide;

N-(1-(S)-cyano-3-phenyl-propyl)-2-(R)-methoxy-4-phenyl-butyramide;

2,2-difluoro-5-phenyl-pentanoic acid (1-cyano-cyclopropyl)-amide;

N-(1-(S)-cyano-3-phenyl-propyl)-4-phenyl-butyramide;

2,2-difluoro-5-phenyl-pentanoic acid ((S)-1-cyano-3-phenyl-propyl)-amide;

N-(4-cyano-1-ethyl-piperidin-4-yl)-3-cyclohexyl-propionamide;

N-(4-cyano-1-ethyl-piperidin-4-yl)-3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionamide;

(S)-tert-butyl-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(R)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-(2-difluoromethoxy-phenylmethanesulfonyl)-ethyl ester;

(S)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(R)-morpholine-4-carboxylic acid 1-(1-cyano-cyclopropylcarbamoyl)-2-phenylmethanesulfonyl-ethyl ester;

(R)-morpholine-4-carboxylic acid 1-(4-cyano-tetrahydro-pyran-4-ylcarbamoyl)-2-phenylmethanesulfonyl-ethyl ester;

3-cyclohexyl-2-hydroxy-*N*-[1-(oxazolo[4,5-*b*]pyridine-2-carbonyl)-propyl]-propionamide;

(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-(1-methyl-piperidin-4-ylamino)-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-(bis-thiophen-2-ylmethyl-amino)-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;

(S)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-(tetrahydro-pyran-4-ylamino)-3-thiophen-2-yl-propionamide;

(S)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-isopropylamino-3-thiophen-2-yl-propionamide;

(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-[(2-methoxy-ethyl)-(tetrahydro-pyran-4-yl)-amino]-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-cyclohexylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;

(1S)-N-[1-(benzooxazole-2-carbonyl)-butyl]-2-(S)-fluoro-4-phenyl-butyramide;

2,2-difluoro-5-phenyl-pentanoic acid [(S)-1-(benzoxazole-2-carbonyl)-butyl]-amide;

morpholine-4-carboxylic acid (S)-1-[(S)-1-(benzooxazole-2-carbonyl)-propylcarbamoyl]-2-cyclohexyl-ethyl ester;

morpholine-4-carboxylic acid (S)-2-cyclohexyl-1-[(S)-1-(oxazolo[4,5-b]pyridine-2-carbonyl)-propylcarbamoyl]-ethyl ester;

morpholine-4-carboxylic acid (S)-2-cyclohexyl-1-[(S)-1-(5-ethyl-[1,3,4]oxadiazole-2-carbonyl)-propylcarbamoyl]-ethyl ester;

morpholine-4-carboxylic acid (S)-2-cyclohexyl-1-[(S)-1-(5-phenyl-[1,3,4]oxadiazole-2-carbonyl)-propylcarbamoyl]-ethyl ester;

morpholine-4-carboxylic acid (S)-1-[(S)-1-(benzooxazole-2-carbonyl)-propylcarbamoyl]-3-cyclohexyl-propyl ester;

4-[4,4-dimethyl-2-(morpholine-4-carbonyloxy)-pentanoylamino]-3-oxo-azepane-1-carboxylic acid benzyl ester;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-3-cyclopropylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[1-(benzoxazole-2-carbonyl)-butyl]-2-cyclohexylamino-3-cyclopropylmethanesulfonyl-propionamide;

(R)-N-[1-(benzoxazole-2-carbonyl)-butyl]-2-cycloheptylamino-3-cyclopropylmethanesulfonyl-propionamide;

(R)-3-phenylmethanesulfonyl-N-[(S)-3-phenyl-1-(thiazole-2-carbonyl)-propyl]-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-3-phenyl-propyl]-3-cyclopropylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-3-cyclopropylmethanesulfonyl-N-[1-(5-ethyl-1,2,4-oxadiazole-3-carbonyl)-propyl]-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-3-phenylmethanesulfonyl-N-[1-(3-phenyl-1,2,4-oxadiazole-5-carbonyl)-propyl]-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[1-(3-cyclopropyl-1,2,4-oxadiazole-5-carbonyl)-propyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

{(R)-1-[1-(benzothiazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(S)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-thiophen-2-yl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[1-(benzothiazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

(R)-1-{1-[hydroxy-(3-phenyl-1,2,4-oxadiazol-5-yl)-methyl]-propylcarbamoyl}-2-phenylmethanesulfonyl-ethyl)-carbamic acid tert-butyl ester;

((R)-2-cyclopropylmethanesulfonyl-1-{(S)-1-[(5-ethyl-1,2,4-oxadiazol-3-yl)-hydroxy-methyl]-propylcarbamoyl}-ethyl)-carbamic acid tert-butyl ester;

{(R)-1-[1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-3-phenyl-propylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(hydroxy-thiazol-2-yl-methyl)-3-phenyl-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

(R)-1-{1-[hydroxy-(3-phenyl-1,2,4-oxadiazol-5-yl)-methyl]-propylcarbamoyl}-2-phenylmethanesulfonyl-ethyl)-carbamic acid tert-butyl ester;

((R)-2-cyclopropylmethanesulfonyl-1-{(S)-1-[(5-ethyl-1,2,4-oxadiazol-3-yl)-hydroxy-methyl]-propylcarbamoyl}-ethyl)-carbamic acid tert-butyl ester;

{(R)-1-[1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-3-phenyl-propylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(hydroxy-thiazol-2-yl-methyl)-3-phenyl-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

(R)-2-phenylmethanesulfonyl-1-{(S)-1-[(3-cyclopropyl-1,2,4-oxadiazol-5-yl)-hydroxy-methyl]-propylcarbamoyl}-ethyl)-carbamic acid tert-butyl ester;

(R)-N-[1-(Benzoxazole-2-carbonyl)-butyl]-2-[cyclopropylmethyl-(tetrahydro-pyran-4-ylmethyl)-amino]-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;
(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-(1-methyl-piperidin-4-ylamino)-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-(bis-thiophen-2-ylmethyl-amino)-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;
(S)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-(tetrahydro-pyran-4-ylamino)-3-thiophen-2-yl-propionamide;
S)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-isopropylamino-3-thiophen-2-yl-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;
(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-[(2-methoxy-ethyl)-(tetrahydro-pyran-4-yl)-amino]-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-cyclohexylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;

N-cyanomethyl-3-cyclohexyl-propionamide;

N-cyanomethyl-3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionamide;

3-(3-cyclohexyl-propionylamino)-2-oxo-5-phenyl-pentanoic acid thiazol-2-ylamide;

3-cyclohexyl-*N*-(1-formyl-3-phenyl-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-[(S)-1-(5-ethyl-[1,3,4]oxadiazole-2-carbonyl)-propyl]-propionamide;

N-[(S)-1-(benzooxazole-2-carbonyl)-propyl]-2-(2-cyano-phenylamino)-3-cyclohexyl-propionamide;

N-Cyanomethyl-3-cyclohexyl-2-(4-methoxy-phenoxy)-propionamide;

2-benzyloxy-*N*-cyanomethyl-3-cyclohexyl-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-butyl]-2-benzyloxy-3-phenylmethanesulfonyl-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-methoxymethoxy-3-phenylmethanesulfonyl-propionamide;

(*S*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-butyl]-2-hydroxy-3-phenyl-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-3-phenylmethanesulfonyl-2-triisopropylsilanyloxy-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzothiazol-2-yl-methanoyl)-propyl]-2-hydroxy-3-phenylmethanesulfonyl-propionamide;

(*R*)-2-hydroxy-3-phenylmethanesulfonyl-*N*-[(S)-1-(1-pyridazin-3-yl-methanoyl)-butyl]-propionamide;

(*S*)-3-((*R*)-2-hydroxy-3-phenylmethanesulfonyl-propanoylamino)-2-oxo-pentanoic acid benzylamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzothiazol-2-yl-methanoyl)-propyl]-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide; and

(2R,5S)-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonylmethyl]-6-ethoxy-5-ethyl-morpholin-3-one; or[[and]] their corresponding N-oxides, and their prodrugs, and their protected derivatives, individual isomers and mixtures of isomers thereof; and the pharmaceutically acceptable salts and solvates (e.g. hydrates) of such compounds and their N-oxides and their prodrugs, and their protected derivatives, individual isomers and mixtures of isomers thereof.

15. (Original) A compound of claim 14 selected from the group consisting of:
(*R*)-*N*-cyanomethyl-2-hydroxy-3-phenylmethanesulfonyl-propionamide;

(*R*)-*N*-(1-cyano-1-thiophen-2-yl-methyl)-2-hydroxy-3-phenylmethanesulfonyl-propionamide;

(*R*)-*N*-(1-cyano-1-thiophen-2-yl-methyl)-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide;

(*R*)-*N*-cyanomethyl-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide;

morpholine-4-carboxylic acid (*R*)-1-(cyanomethyl-carbamoyl)-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (R)-1-(cyanomethyl-carbamoyl)-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester;

(R)-(2-methoxy-ethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-phenylmethanesulfonyl-ethyl ester;
(S)-diethyl-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-pyrrolidine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-morpholine-4-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-4-Ethyl-piperazine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-2-hydroxymethyl-pyrrolidine-1-carboxylic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-(2,2,2-Trifluoro-ethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-(2-hydroxyethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(Tetrahydrofuran-2-ylmethyl)-carbamic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-Azetidine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-cyclopropyl-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-piperidine-1-carboxylic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-(2-methoxy-ethyl)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(R)-3-hydroxy-pyrrolidine-1-carboxylic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(S)-3-hydroxy-pyrrolidine-1-carboxylic acid (S)-1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;

(S)-morpholine-4-carboxylic acid 1-(cyanomethyl-carbamoyl)-3-cyclohexyl-propyl ester;

morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester;

morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzothiazol-2-yl-methanoyl)-propylcarbamoyl]-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester;

pyrrolidine-1-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

dimethyl-carbamic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (R)-1-[(S)-1-(1-benzylcarbamoyl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (S)-1-[(S)-1-(oxazolo[4,5-b]pyridine-2-carbonyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;
morpholine-4-carboxylic acid (S)-1-[(S)-1-(5-ethyl-[1,3,4]oxadiazole-2-carbonyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

(S)-2-{(R)-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propanoylamino}-*N*-methoxy-*N*-methyl-butyramide;

(R)-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-*N*-((S)-1-formyl-propyl)-2-hydroxy-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-hydroxy-3-phenyl-methanesulfonyl-propionamide;

(S)-3-{3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-propanoylamino}-2-oxo-pentanoic acid benzylamide;

N-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-propionamide;

N-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-3-phenyl-propyl]-3-*p*-tolylmethanesulfonyl-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-(1-ethyl-2,3-dioxo-3-pyrrolidin-1-yl-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-(1-ethyl-3-morpholin-4-yl-2,3-dioxo-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-(1-ethyl-2,3-dioxo-3-piperazin-1-yl-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-[3-(1,1-dioxo-1l6-thiomorpholin-4-yl)-1-ethyl-2,3-dioxo-propyl]-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-[1-ethyl-3-(4-methyl-sulfonyl-piperazin-1-yl)-2,3-dioxo-propyl]-propionamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid dimethylamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid cyclopentyl-ethyl-amide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid phenylamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid pyridin-3-ylamide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid (tetrahydro-pyran-4-yl)-amide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid (1-benzoyl-piperidin-4-yl)-amide;

3-[3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionylamino]-2-oxo-pentanoic acid (2-morpholin-4-yl-ethyl)-amide;
(R)-*N*-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-(2-nitro-phenylamino)-3-phenylmethanesulfonyl-propionamide;

N-[1-(benzooxazole-2-carbonyl)-propyl]-3-phenylmethanesulfonyl-2-(pyrimidin-2-ylamino)-propionamide.

(R)-*N*-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-butyl]-2-(5-nitro-thiazol-2-ylamino)-3-phenylmethanesulfonyl-propionamide;

(2S) (4,4-difluoro-2-hydroxy-5-phenyl-pentanoic acid (1(S)-cyano-3-phenyl-propyl)-amide;
N-(1(S)-cyano-3-phenyl-propyl)-2-(S)-(2-morpholin-4-yl-2-oxo-ethoxy)-4-phenyl-butyramide;
N-(1-(S)-cyano-3-phenyl-propyl)-2-(S)-fluoro-4-phenyl-butyramide;
N-(1-(S)-cyano-3-phenyl-propyl)-2,2-difluoro-4-phenyl-butyramide;
N-(1-(S)-cyano-3-phenyl-propyl)-2-(S)-hydroxy-4-phenyl-butyramide;
N-(1-(S)-cyano-3-phenyl-propyl)-2-(R)-hydroxy-4-phenyl-butyramide;
N-(1-(S)-cyano-3-phenyl-propyl)-2-(R)-methoxy-4-phenyl-butyramide;
2,2-difluoro-5-phenyl-pentanoic acid (1-cyano-cyclopropyl)-amide;
N-(1-(S)-cyano-3-phenyl-propyl)-4-phenyl-butyramide;
2,2-difluoro-5-phenyl-pentanoic acid ((S)-1-cyano-3-phenyl-propyl)-amide;
N-(4-cyano-1-ethyl-piperidin-4-yl)-3-cyclohexyl-propionamide;
N-(4-cyano-1-ethyl-piperidin-4-yl)-3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionamide;
(S)-tert-butyl-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(R)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-(2-difluoromethoxy-phenylmethanesulfonyl)-ethyl ester;

(S)-carbamic acid 1-(cyanomethyl-carbamoyl)-2-cyclohexyl-ethyl ester;
(R)-morpholine-4-carboxylic acid 1-(1-cyano-cyclopropylcarbamoyl)-2-phenylmethanesulfonyl-ethyl ester;
(R)-morpholine-4-carboxylic acid 1-(4-cyano-tetrahydro-pyran-4-ylcarbamoyl)-2-phenylmethanesulfonyl-ethyl ester;
3-cyclohexyl-2-hydroxy-*N*-[1-(oxazolo[4,5-*b*]pyridine-2-carbonyl)-propyl]-propionamide;
(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;
(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;
(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-(1-methyl-piperidin-4-ylamino)-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-(bis-thiophen-2-ylmethyl-amino)-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;
(S)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-(tetrahydro-pyran-4-ylamino)-3-thiophen-2-yl-propionamide;
(S)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-isopropylamino-3-thiophen-2-yl-propionamide;
(R)-N-[1-(benzothiazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-[(2-methoxy-ethyl)-(tetrahydro-pyran-4-yl)-amino]-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-cyclohexylamino-3-phenylmethanesulfonyl-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;

(1S)-N-[1-(benzooxazole-2-carbonyl)-butyl]-2-(S)-fluoro-4-phenyl-butyramide;
2,2-difluoro-5-phenyl-pentanoic acid [(S)-1-(benzoxazole-2-carbonyl)-butyl]-amide;
morpholine-4-carboxylic acid (S)-1-[(S)-1-(benzooxazole-2-carbonyl)-propylcarbamoyl]-2-cyclohexyl-ethyl ester;
morpholine-4-carboxylic acid (S)-2-cyclohexyl-1-[(S)-1-(oxazolo[4,5-b]pyridine-2-carbonyl)-propylcarbamoyl]-ethyl ester;
morpholine-4-carboxylic acid (S)-2-cyclohexyl-1-[(S)-1-(5-ethyl-[1,3,4]oxadiazole-2-carbonyl)-propylcarbamoyl]-ethyl ester;
morpholine-4-carboxylic acid (S)-2-cyclohexyl-1-[(S)-1-(5-phenyl-[1,3,4]oxadiazole-2-carbonyl)-propylcarbamoyl]-ethyl ester;
morpholine-4-carboxylic acid (S)-1-[(S)-1-(benzooxazole-2-carbonyl)-propylcarbamoyl]-3-cyclohexyl-propyl ester;
4-[4,4-dimethyl-2-(morpholine-4-carbonyloxy)-pentanoylamino]-3-oxo-azepane-1-carboxylic acid benzyl ester;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-3-cyclopropylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[1-(benzoxazole-2-carbonyl)-butyl]-2-cyclohexylamino-3-cyclopropylmethanesulfonyl-propionamide;
(R)-N-[1-(benzoxazole-2-carbonyl)-butyl]-2-cycloheptylamino-3-cyclopropylmethanesulfonyl-propionamide;
(R)-3-phenylmethanesulfonyl-N-[(S)-3-phenyl-1-(thiazole-2-carbonyl)-propyl]-2-(tetrahydro-pyran-4-ylamino)-propionamide;
(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-3-phenyl-propyl]-3-cyclopropylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-3-cyclopropylmethanesulfonyl-N-[1-(5-ethyl-1,2,4-oxadiazole-3-carbonyl)-propyl]-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-3-phenylmethanesulfonyl-N-[1-(3-phenyl-1,2,4-oxadiazole-5-carbonyl)-propyl]-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[1-(3-cyclopropyl-1,2,4-oxadiazole-5-carbonyl)-propyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

{(R)-1-[1-(benzothiazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(S)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-thiophen-2-yl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[1-(benzothiazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

(R)-1-{1-[hydroxy-(3-phenyl-1,2,4-oxadiazol-5-yl)-methyl]-propylcarbamoyl}-2-phenylmethanesulfonyl-ethyl)-carbamic acid tert-butyl ester;

((R)-2-cyclopropylmethanesulfonyl-1-{(S)-1-[(5-ethyl-1,2,4-oxadiazol-3-yl)-hydroxy-methyl]-propylcarbamoyl}-ethyl)-carbamic acid tert-butyl ester;

{(R)-1-[1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-3-phenyl-propylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(hydroxy-thiazol-2-yl-methyl)-3-phenyl-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

(R)-1-{1-[hydroxy-(3-phenyl-1,2,4-oxadiazol-5-yl)-methyl]-propylcarbamoyl}-2-phenylmethanesulfonyl-ethyl)-carbamic acid tert-butyl ester;

((R)-2-cyclopropylmethanesulfonyl-1-{(S)-1-[(5-ethyl-1,2,4-oxadiazol-3-yl)-hydroxy-methyl]-propylcarbamoyl}-ethyl)-carbamic acid tert-butyl ester;

{(R)-1-[1-(benzoxazol-2-yl-hydroxy-methyl)-butylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-3-phenyl-propylcarbamoyl]-2-cyclopropylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

{(R)-1-[(S)-1-(hydroxy-thiazol-2-yl-methyl)-3-phenyl-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl}-carbamic acid tert-butyl ester;

(R)-2-phenylmethanesulfonyl-1-{(S)-1-[(3-cyclopropyl-1,2,4-oxadiazol-5-yl)-hydroxy-methyl]-propylcarbamoyl}-ethyl)-carbamic acid tert-butyl ester;

(R)-N-[1-(Benzoxazole-2-carbonyl)-butyl]-2-[cyclopropylmethyl-(tetrahydro-pyran-4-ylmethyl)-amino]-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-(1-methyl-piperidin-4-ylamino)-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-(bis-thiophen-2-ylmethyl-amino)-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-dibenzylamino-3-phenylmethanesulfonyl-propionamide;

(S)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-(tetrahydro-pyran-4-ylamino)-3-thiophen-2-yl-propionamide;

S)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-isopropylamino-3-thiophen-2-yl-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[1-(benzothiazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-[(2-methoxy-ethyl)-(tetrahydro-pyran-4-yl)-amino]-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-cyclohexylamino-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazol-2-yl-hydroxy-methyl)-butyl]-2-dimethylamino-3-phenylmethanesulfonyl-propionamide;

N-cyanomethyl-3-cyclohexyl-propionamide;

N-cyanomethyl-3-(2-difluoromethoxy-phenylmethanesulfonyl)-propionamide;

3-(3-cyclohexyl-propionylamino)-2-oxo-5-phenyl-pentanoic acid thiazol-2-ylamide;

3-cyclohexyl-*N*-(1-formyl-3-phenyl-propyl)-propionamide;

3-(2-difluoromethoxy-phenylmethanesulfonyl)-*N*-[(S)-1-(5-ethyl-[1,3,4]oxadiazole-2-carbonyl)-propyl]-propionamide;

N-[(S)-1-(benzooxazole-2-carbonyl)-propyl]-2-(2-cyano-phenylamino)-3-cyclohexyl-propionamide;

N-Cyanomethyl-3-cyclohexyl-2-(4-methoxy-phenoxy)-propionamide;

2-benzyloxy-*N*-cyanomethyl-3-cyclohexyl-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-butyl]-2-benzyloxy-3-phenylmethanesulfonyl-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-methoxymethoxy-3-phenylmethanesulfonyl-propionamide;
(*S*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-butyl]-2-hydroxy-3-phenyl-propionamide;
(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-3-phenylmethanesulfonyl-2-triisopropylsilanyloxy-propionamide;
(*R*)-*N*-[(*S*)-1-(1-benzothiazol-2-yl-methanoyl)-propyl]-2-hydroxy-3-phenylmethanesulfonyl-propionamide;
(*R*)-2-hydroxy-3-phenylmethanesulfonyl-*N*-[(S)-1-(1-pyridazin-3-yl-methanoyl)-butyl]-propionamide;
(*S*)-3-((*R*)-2-hydroxy-3-phenylmethanesulfonyl-propanoylamino)-2-oxo-pentanoic acid benzylamide;
(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide;
(*R*)-*N*-[(*S*)-1-(1-benzothiazol-2-yl-methanoyl)-propyl]-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide; and
(2R,5S)-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonylmethyl]-6-ethoxy-5-ethyl-morpholin-3-one.

16. (Currently Amended) A compound of claim 15 selected from the group consisting of:

morpholine-4-carboxylic acid (R)-1-(cyanomethyl-carbamoyl)-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester, (Compound 31);
morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester, (Compound 11);
morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester, (Compound 14);
morpholine-4-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzothiazol-2-yl-methanoyl)-propylcarbamoyl]-2-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-ethyl ester, (Compound 15);
pyrrolidine-1-carboxylic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester, (Compound 19);
dimethyl-carbamic acid (*R*)-1-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester, (Compound 20);

morpholine-4-carboxylic acid (R)-1-[(S)-1-(1-benzylcarbamoyl-methanoyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester, (Compound 25);

morpholine-4-carboxylic acid (S)-1-[(S)-1-(oxazolo[4,5-b]pyridine-2-carbonyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

morpholine-4-carboxylic acid (S)-1-[(S)-1-(5-ethyl-[1,3,4]oxadiazole-2-carbonyl)-propylcarbamoyl]-2-phenylmethanesulfonyl-ethyl ester;

(R)-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-*N*-((S)-1-formyl-propyl)-2-hydroxy-propionamide;

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-hydroxy-3-phenyl-methanesulfonyl-propionamide;

(S)-3-{3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-propanoylamino}-2-oxo-pentanoic acid benzylamide;

(R)-*N*-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-2-(2-nitro-phenylamino)-3-phenylmethanesulfonyl-propionamide;

(R)-*N*-[(S)-1-(1-benzooxazol-2-yl-methanoyl)-butyl]-2-(5-nitro-thiazol-2-ylamino)-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-3-phenylmethanesulfonyl-2-(tetrahydro-pyran-4-ylamino)-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-isopropylamino-3-phenylmethanesulfonyl propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-[(2-methoxy-ethyl)-(tetrahydro-pyran-4-yl)-amino]-3-phenylmethanesulfonyl-propionamide;

(R)-N-[(S)-1-(benzoxazole-2-carbonyl)-butyl]-2-cyclohexylamino-3-phenylmethanesulfonyl-propionamide;

morpholine-4-carboxylic acid (S)-2-cyclohexyl-1-[(S)-1-(oxazolo[4,5-b]pyridine-2-carbonyl)-propylcarbamoyl]-ethyl ester;

(*S*)-3-((*R*)-2-hydroxy-3-phenylmethanesulfonyl-propanoylamino)-2-oxo-pentanoic acid benzylamide; and

(*R*)-*N*-[(*S*)-1-(1-benzooxazol-2-yl-methanoyl)-propyl]-3-[2-(1,1-difluoro-methoxy)-phenylmethanesulfonyl]-2-hydroxy-propionamide.

17. (Original) A pharmaceutical composition comprising a therapeutically effective amount of a compound of Claim 1 in combination with a pharmaceutically acceptable excipient.

18. (Original) A pharmaceutical composition comprising a therapeutically effective amount of a compound of Claim 2 in combination with a pharmaceutically acceptable excipient.

19. (Withdrawn) A method for treating a disease in an animal in which inhibition of Cathepsin S can prevent, inhibit or ameliorate the pathology and/or symptomology of the disease, which method comprises administering to the animal a therapeutically effective amount of compound of Claim 1 or Claim 2.

20. (Withdrawn) The use of a compound of Claim 1 or 2 in the manufacture of a medicament for treating a disease in an animal in which Cathepsin S activity contributes to the pathology and/or symptomology of the disease.